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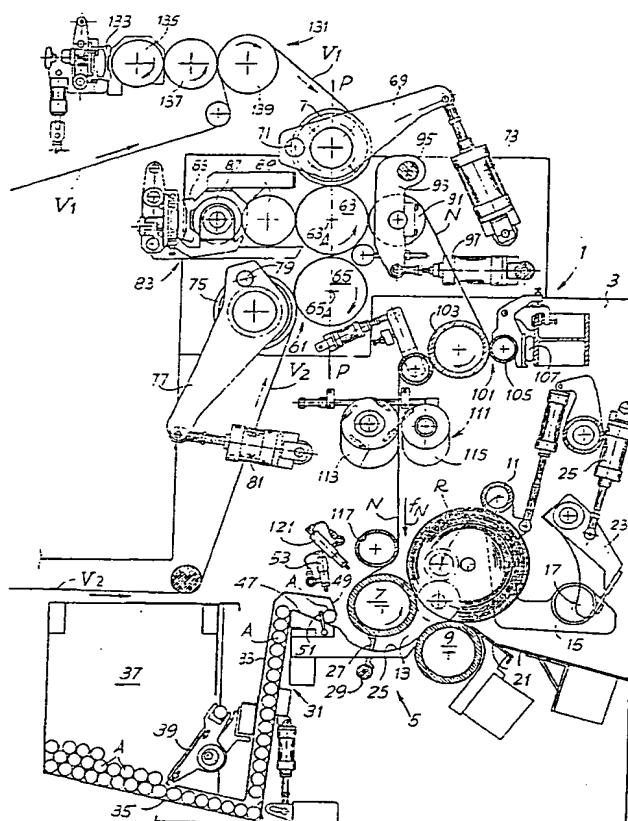
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[Continued on next page]

(54) Title: REWINDER FOR FORMING ROLLS OF WOUNDS-UP WEBLIKE MATERIAL AND ASSOCIATED METHOD



(57) Abstract: A rewinding machine for the production of rolls of wound-up weblike material is described, comprising; a winding-up system (7, 9, 11); a system (27) for severing the weblike material (N) which, on completion of the winding-up of each roll (R), severs the weblike material, forming a free final edge and a free initial edge; an adhesive applicator (121) for applying the adhesive intended to seal the free final edge of the weblike material of each roll before the roll is unloaded from the winding-up system.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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01/00095

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5092533	A	03-03-1992	BR CA DE DE DE EP FI JP WO	9106980 A 2093651 A1 69109128 D1 69109128 T2 553232 T1 0553232 A1 931684 A 7068001 B 9206912 A1	24-08-1993 16-04-1992 24-05-1995 31-08-1995 25-11-1993 04-08-1993 14-04-1993 26-07-1995 30-04-1992
US 4775110	A	04-10-1988	DE AT AT BR CA ES FI GB IT JP	3611895 A1 399856 B 84987 A 8701636 A 1310310 A1 2005134 A6 871544 A , B, 2188911 A , B 1202654 B 62240245 A	15-10-1987 25-08-1995 15-12-1994 05-01-1988 17-11-1992 01-03-1989 10-10-1987 14-10-1987 09-02-1989 21-10-1987
US 5413656	A	09-05-1995	DE AT CA DE WO EP ES FI JP JP	4029180 A1 133140 T 2068641 A1 59107285 D1 9205100 A1 0500841 A1 2089225 T3 922182 A 5502006 T 3202226 B2	19-03-1992 15-02-1996 15-03-1992 29-02-1996 02-04-1992 02-09-1992 01-10-1996 13-05-1992 15-04-1993 27-08-2001
EP 0934895	A	11-08-1999	DE EP US	19804411 A1 0934895 A2 6230998 B1	19-08-1999 11-08-1999 15-05-2001
WO 9421545	A	29-09-1994	IT AT AU BR CA CN DE DE EP ES FI GR IL WO JP JP KR PL RU US	1262046 B 155111 T 6512594 A 9406100 A 2158751 A1 1119848 A , B 69404142 D1 69404142 T2 0694020 A1 2105683 T3 954449 A 3024079 T3 108955 A 9421545 A1 2948908 B2 8507997 T 202226 B1 310797 A1 2118936 C1 5979818 A	18-06-1996 15-07-1997 11-10-1994 19-12-1995 29-09-1994 03-04-1996 14-08-1997 19-02-1998 31-01-1996 16-10-1997 11-10-1995 31-10-1997 12-09-1996 29-09-1994 13-09-1999 27-08-1996 15-06-1999 08-01-1996 20-09-1998 09-11-1999
WO 9941064	A	19-08-1999	IT	FI980031 A1	13-08-1999

INTERNATIONAL SEARCH REPORT

on on patent family members

International Application No

PCT/ 01/00095

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO 9941064	A	AU	2545799 A	30-08-1999
		BR	9907894 A	17-10-2000
		CA	2320141 A1	19-08-1999
		CN	1288411 T	21-03-2001
		EP	1054764 A1	29-11-2000
		WO	9941064 A1	19-08-1999
		JP	2002502734 T	29-01-2002
		PL	342367 A1	04-06-2001
EP 0796727	A 24-09-1997	US	6277226 B1	21-08-2001
		CA	2200254 A1	20-09-1997
		EP	0796727 A2	24-09-1997
		US	6361601 B1	26-03-2002
US 3708366	A 02-01-1973	NONE		
WO 9732804	A 12-09-1997	IT	FI960040 A1	05-09-1997
		AT	194584 T	15-07-2000
		AU	2042197 A	22-09-1997
		BR	9702340 A	16-03-1999
		CN	1190376 A ,B	12-08-1998
		DE	69702485 D1	17-08-2000
		DE	69702485 T2	19-04-2001
		EP	0827483 A1	11-03-1998
		ES	2149576 T3	01-11-2000
		GR	3033867 T3	31-10-2000
		WO	9732804 A1	12-09-1997
		JP	2000513687 T	17-10-2000
		PL	328718 A1	15-02-1999
		RU	2169691 C2	27-06-2001
		US	6050519 A	18-04-2000
		ZA	9701562 A	29-08-1997

INTERNATIONAL SEARCH REPORT

In international application No.
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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-6,11-20

A method and a rewinding machine for the production of rolls of wound-up weblike material with a severing system, an adhesive applicator, applying the adhesive to the weblike material upstream of the roll before the weblike material is severed, having a peripheral winding-up cradle and a nozzle for applying the adhesive.

2. Claims: 21-22,7-10

A peripheral rewinding machine with an embossing and laminating unit having a first and a second embossing cylinder with which a first and a second pressure roller interact.